



Revolution 3D Printers

# INFINITY 3D™

## Quick Print Guide



This guide provides step-by-step instructions to quickly and easily produce prints on the INFINITY3D printer.

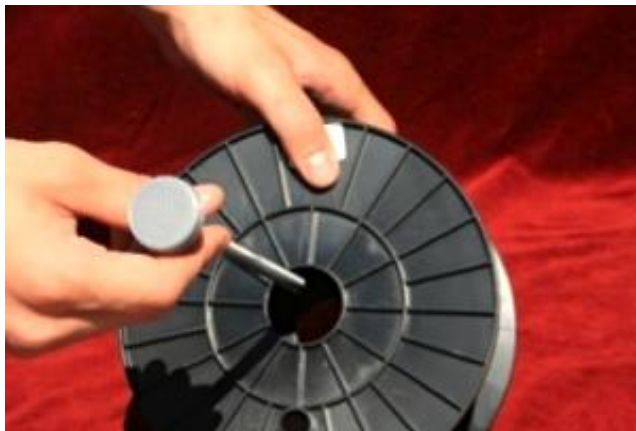
1. Plug the included **power cord** into the receptacle on the rear of the printer.



2. Insert both **spool holder arms** into the slots on the rear and top of the printer so they seat securely.



3. Insert a **spool holder rod** into the **filament spool** you wish to use and secure it with a **Magnetic End Cap** at both ends.



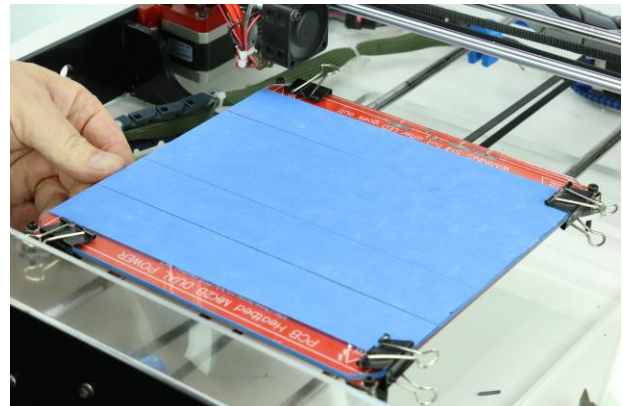
4. Place the **filament spool** onto the **spool holder arms**, oriented so that filament feeds from the top of the spool.



5. Prepare a **glass build plate** by installing **blue tape**.



6. Place the glass build plate onto the **heated bed** tape side up, and secure it with four **plate clips** as pictured as close to the corners of the heated bed as possible.



7. Turn on the printer using the **power switch** located on the right hand front of the machine. The **graphic display panel** will display several logos, and then the home status screen. Refer to the operations manual for display panel menus and further information.

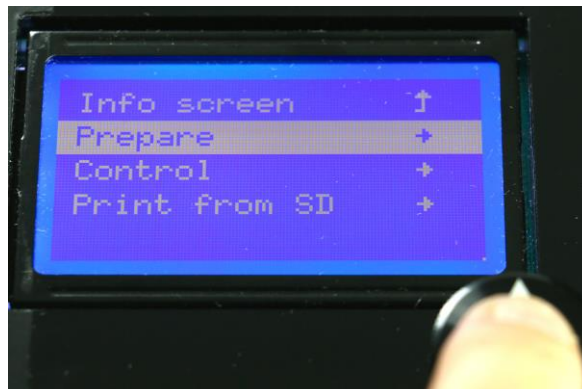


8. Push down lightly on the **selector knob** located below the display panel to “click” into the main menu.



**Note:** If the machine is left idle in any menu for **10 seconds**, it will return to the status screen and that menu must be navigated to again.

9. Rotate the **selector knob** clockwise to highlight **Prepare** and **click** the knob again to select it.





10. Rotate the **selector knob** to highlight **Preheat PLA** or **Preheat ABS** depending on the material you are using, and **click** the knob again to select it.



11. Select **Preheat PLA 1** or **Preheat ABS 1** and **click** to select it. You will be returned to the status screen.



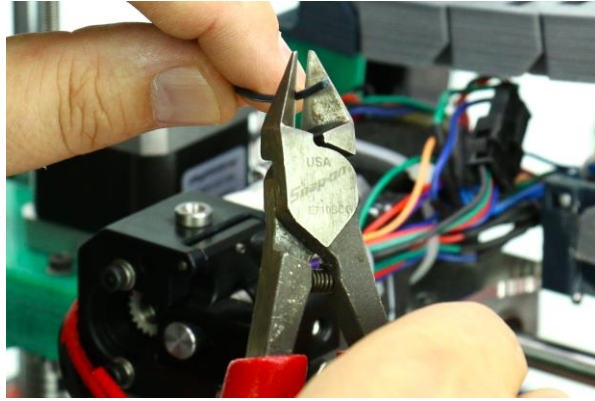
12. Wait for the **actual** (bottom) **temperatures** of the bed and extruder to reach their **desired** (top) **temperatures**, which should take approximately 3 minutes.



**CAUTION!** Once set to preheat, the heated bed and extruder nozzle will become **hot enough to cause serious burns**. Avoid any contact with the **heated bed** and **extruder nozzle** until the print is complete and they have cooled.

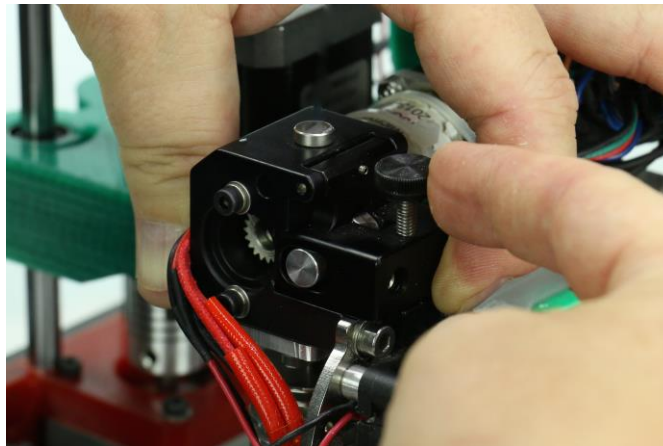
## Filament Installation or Replacement Steps:

13. Trim the end of the filament to create a clean end.

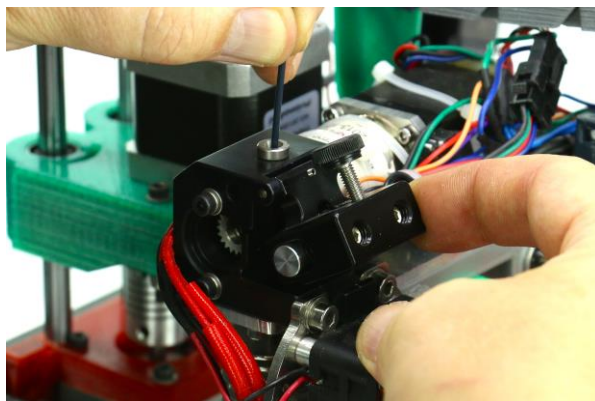


14. Straighten the last 20mm of filament by warming with your hands and taking out the natural curve of the filament.

15. Open the **filament drive door**, unscrew the **drive door lock knob** to open it.

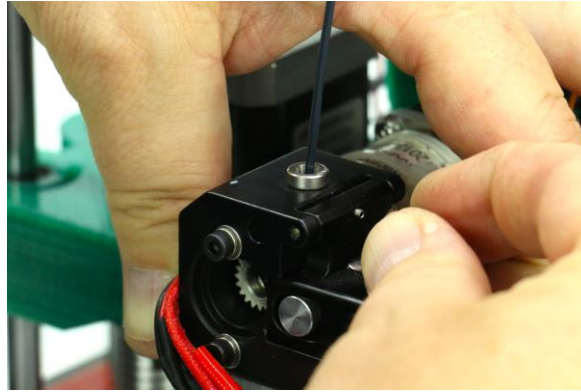


16. Feed the **filament** into the **extruder**, ensuring it passes the drive gear and into the **hot end** as pictured. You may need to rotate the filament slightly as it passes the gear.



17. Press down on the **filament** to extrude a small amount of filament, which ensures that the hot end is working correctly and is not clogged.

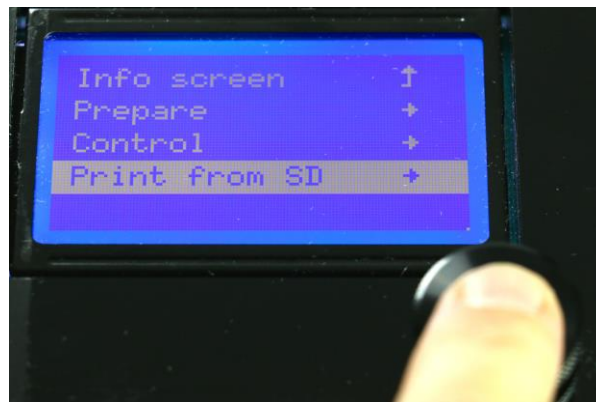
18. Squeeze the **filament drive door** completely closed and secure it with the **drive door lock knob**. You will feel the resistance as the spring tension on the drive gear bearing roller contacts the filament for the last 2-3mm.



19. Insert the **SD card** with your Gcode file on it, with the contacts facing you into the slot on the left side of the frame near the **graphic display panel**.



20. **Click** the **selector knob** to open the main menu and select **Print from SD Card**.



21. Select the desired GCode **file**, and the print will begin automatically when it is selected.



22. Wait for your print to complete.



**WARNING!**  
**HOT SURFACE/PARTS! ALLOW TO FULLY COOL BEFORE HANDLING.**



**WARNING!**  
**DO NOT REACH INSIDE THE PRINTER WHILE OPERATING! MOVING PARTS CAN CRUSH/CUT! ALWAYS KEEP HANDS CLEAR OF MOVING PARTS WHILE OPERATING. TIE BACK LONG HAIR OR CLOTHING THAT CAN GET CAUGHT IN THE MOVING PARTS OF THE PRINTER.**



**WARNING!**  
**VAPORS AND FUMES MAY CAUSE IRRITATION AT OPERATING TEMPERATURES. OPERATE IN A WELL VENTILATED AREA.**

23. Wait for the extruder and bed to cool. They should be safe to touch after 5 minutes.

24. Gently pull the heated bed forward, unclip the glass build plate from the bed, and remove the **glass build plate** with your print attached.

25. Turn off the printer.